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Contrasted Till Reliefs

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SOME BURIED "PICTURED ROCKS"

W. H. NORTON

This paper discussed the heavy beds of poikilitic sandstone found immediately underlying the Saint Peter sandstone of normal facies in several deep wells of eastern Iowa.

CORNELL COLLEGE,
MOUNT VERNON, IOWA.

CONTRASTED TILL RELIEFS

CHARLES KEYES

The topography and relative amount of erosion which till-sheets suffer is sometimes used as a measure of identification and correlation. The method, however, is at best, only qualitative in character, and personal equation enters altogether too largely to make the test generally serviceable. Nevertheless, recently, it becomes possible to devise a methodical scheme of comparing tills, or of determining their ages based upon cosmical data, and relief expression assumes new interest and quantitative character. Thus, contrasted relief expression of the Ashuawa till, the Des Moines lobe of the Wisconsin group of glaciations the till derived from the Keewatin center of ice dispersion, when compared with the topography of the tills occurring just outside of the Ashuawa border, gives time-evaluations surprisingly different, as well as surprisingly precise, from previous empirical results.

DES MOINES, IOWA.

IOWA STRATIGRAPHY ON METHODICAL SCHEME

CHARLES KEYES

No science, perhaps, is so backward as Geology in the genetic plan of its classification, its taxonomic nomenclature, or its methods of terranal correlation. Although in Europe considerable progress is made in methodical systems of geological arrangement and terminology, in this country *laissez faire* practice continues to prevail to such appalling extent that clear classificatory concept and perspicacious correlation are almost impossible even over mod-